

Converting Colors

XYZ(82.2922, 100.0000,
108.7698)

Have a look what the booklet for
XYZ(82.2922, 100.0000, 108.7698)
contains.

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Color

**XYZ(77.7368, 91.0933,
107.2515)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FFFE
RGB	201, 255, 254
RGB Percent	79%, 100%, 100%
CMY	0.2118, 0.0000, 0.0039
CMYK	0.21, 0.00, 0.00, 0.00
HSL	179°, 100%, 89%
HSV	179°, 21%, 100%
XYZ	77.7368, 91.0933, 107.2515
YIQ	238.7400, -31.8630, -11.7590

Conversions

Conversions Part 2

Format	Color
R_{YB}	201, 228, 255
Decimal	13238270
CIE _{Lab}	96.45, -17.10, -5.12
CIE _{LCh}	96, 17.851, 196.666
Yxy	91.0933, 0.2816, 0.3300
Android (android.graphics.Color)	4291428350 (0xFFC9FFFE)
YUV	238.7400, 7.5232, -33.0980
Hunter-Lab	95.4428, -21.6392, 0.1843

Details

The XYZ color **77.7368, 91.0933, 107.2515** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.7881, 67.2989, 65.0314**, and the grayscale version is **81.8029, 86.0630, 93.7226**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1262, 50.5304, 60.3564** is the 20% darker color. If you saturate the color by 10%, you get **71.3665, 87.8179, 106.5612**, and if you desaturate by 10%, it is **85.2472, 94.9563, 107.9991**.

Distribution



- Red (79%)
- Green (100%)
- Blue (100%)



- Red (79%)
- Yellow (89%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7368, 91.0933, 107.2515 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.7368, 91.0933, 107.2515 by changing the saturation by 10% instead.

77.7368, 91.0933,
107.2515

77.7368, 91.0933,
107.2515

476.1260,
531.5809, 604.6439

58.1598, 68.8878,
81.7197

129.1464,
148.8561, 173.2257

42.1809, 50.6203,
60.6000

161.7097,
185.1822, 214.5053

29.4347, 35.9065,
43.4740

199.3324,
226.9839, 261.8711

19.5558, 24.3620,
29.9231

242.3800,
274.6457, 315.7418

12.1790, 15.6024,
19.5286

291.2179,
328.5518, 376.5359

6.9388, 9.2432,
11.8722

346.2112,

3.4698, 4.9002,

389.0869, 444.6719

6.5352

407.7255,
456.6351, 520.5684

■ 1.4068, 2.1888,
3.0992

■ 0.2611, 0.7139,
1.1455

■ 77.7368, 91.0933,
107.2515

■ 77.7368, 91.0933,
107.2515

■ 71.3665, 87.8179,
106.5612

■ 85.2472, 94.9563,
107.9991

■ 66.0772, 85.0999,
105.9210

■ 93.9470, 99.4324,
108.8018

■ 61.8090, 82.9082,
105.3295

■ 95.0500, 100.0000,
108.9000

■ 58.4950, 81.2084,
104.7837

■ 56.0603, 79.9619,
104.2799

■ 54.4190, 79.1244,
103.8143

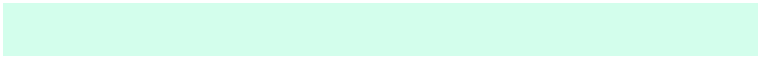
■ 53.4677, 78.6426,
103.3819

■ 53.0602, 78.4401,
103.0214

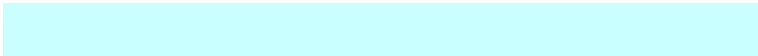
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6029, 91.0933, 93.0000



77.7368, 91.0933, 107.2515



80.1813, 91.0933, 120.4766

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7368, 91.0933, 107.2515



93.7275, 91.0933, 119.1988



88.8064, 91.0933, 74.8442

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77.7368, 91.0933, 107.2515



72.7881, 67.2989, 65.0314

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.3134, 91.0933, 80.5627



77.7368, 91.0933, 107.2515



96.2271, 91.0933, 105.6385

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



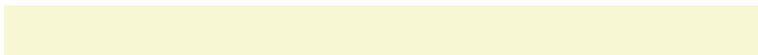
77.7368, 91.0933, 107.2515



89.3540, 91.0933, 127.8136



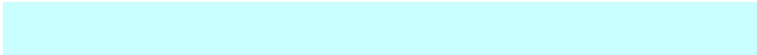
96.0727, 91.0933, 91.5337



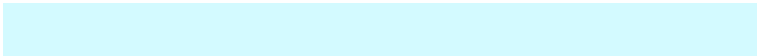
83.8669, 91.0933, 75.1865

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7368, 91.0933, 107.2515



82.8475, 91.0933, 126.5274



96.0727, 91.0933, 91.5337



90.4260, 91.0933, 76.0962

Sweetspot

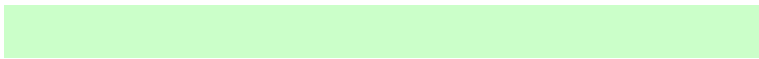
The Sweet Spot groups the original color and five complimentary colors.



77.7378, 91.0938, 107.2530



89.5979, 97.1946, 108.4073



70.8778, 88.4060, 68.5885



19.0563, 20.7412, 23.1924



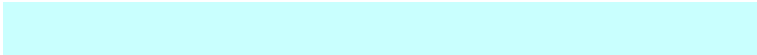
0.0000, 0.0000, 0.0000



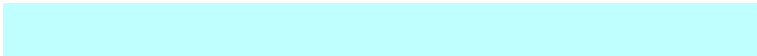
20.3446, 21.4041, 23.3091

Same Dimension

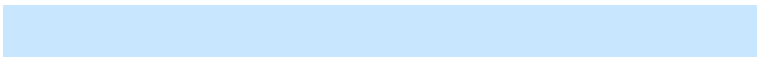
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7378, 91.0938, 107.2530



75.1696, 89.7731, 106.9822



70.3797, 76.1210, 105.5912



18.5395, 20.4753, 23.1441



27.7317, 40.9893, 53.8657



2.7046, 3.9928, 5.2682

Inverse Universe

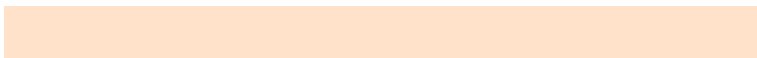
The Inverse Universe completely reimagines the original color for something new.



72.7881, 67.2989, 65.0314



69.4874, 62.4555, 58.5113



79.0341, 79.9795, 66.5321



18.0230, 17.9925, 18.7383



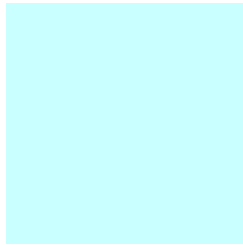
21.5682, 11.1166, 1.1105



2.1046, 1.0842, 0.1322

Previews

White Background



This preview shows how the XYZ color 77.7368, 91.0933, 107.2515 looks on a white background.

Color Contrast Check

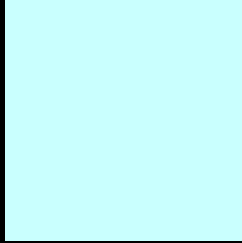
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 77.7368, 91.0933, 107.2515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

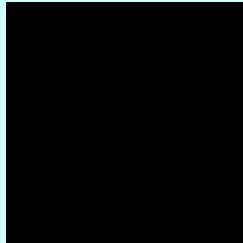
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

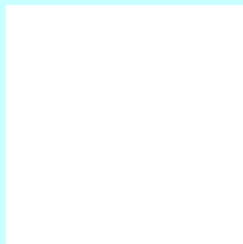
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.7368, 91.0933, 107.2515

Background



This preview shows how black text looks on a background with the XYZ color 77.7368, 91.0933, 107.2515.

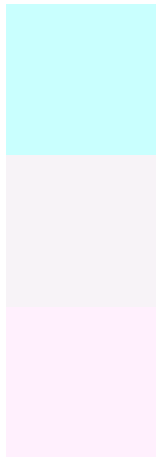


This preview shows how white text looks on a background with the XYZ color 77.7368, 91.0933,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.7368, 91.0933, 107.2515

Protanopia

87.1969, 90.5907, 100.8857

Deuteranopia

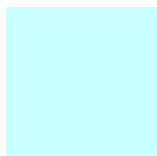
90.1297, 90.6720, 105.6796



Tritanopia

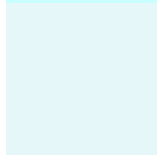
84.2658, 90.7305, 107.6792

Trichromacy



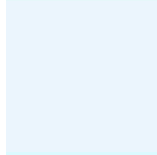
Original Color

77.7368, 91.0933, 107.2515



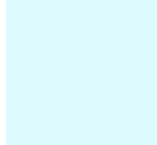
Protanomaly

83.1492, 90.2467, 103.4794



Deuteranomaly

84.6430, 90.0588, 105.8504



Tritanomaly

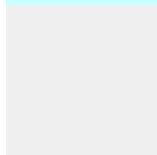
81.7508, 90.8069, 107.8265

Monochromacy



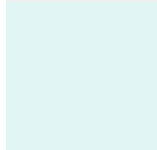
Original Color

77.7368, 91.0933, 107.2515



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.0329, 87.8440, 98.3254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7368, 91.0933, 107.2515 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(201, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 254)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(201, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 254) }
```

Border

The CSS property to change the border of an element to XYZ 77.7368, 91.0933, 107.2515 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 255, 254) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(201, 255, 254) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(201, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7368, 91.0933, 107.2515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 254) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(201,  
255, 254) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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